

CLAIMS

What is claimed is:

1. A liquid applicator device for applying a liquid to a target surface, comprising:

an applicator head;

5 a reservoir, configured to contain the liquid to be applied to the target surface, the reservoir being removably coupled to the applicator head;

a liquid delivery conduit, associated with the applicator head and being in fluid communication with the reservoir; and

a plurality of application bristles, coupled to and extending away from the applicator
10 head;

the liquid applicator device being configured to distribute the liquid from the reservoir, through the liquid delivery conduit and to the application bristles to allow a user to apply the liquid to the target surface.

15 2. The device of claim 1, further including a liquid selected from the group consisting of: paint; stain; and varnish.

3. The device of claim 1, further comprising a terminal delivery tube, extending from the liquid delivery conduit and terminating among the application bristles.

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4. The device of claim 3, wherein the terminal delivery tube is formed of a flexible material.

5. The device of claim 3, wherein the terminal delivery tube is substantially centered within a cross section of the plurality of application bristles.

6. The device of claim 1, wherein the reservoir includes flexible side walls configured to
5 deform in response to pressure applied by a user to expel the liquid from the reservoir.

7. The device of claim 6, further comprising a flow restrictor, operatively disposed within the liquid delivery conduit, the flow restrictor being configured to at least partially restrict flow of liquid from the reservoir in the absence of pressure applied to the flexible side walls of
10 the reservoir.

8. The device of claim 7, wherein the flow restrictor includes a serpentine channel formed within the applicator head, the serpentine channel being configured to restrict flow of liquid from the liquid reservoir in the absence of pressure applied to the flexible side walls of the
15 reservoir.

9. The device of claim 8, wherein the serpentine channel includes a first, downwardly angled section, a second, gooseneck section, and a third, downwardly extending section.

20 10. The device of claim 7, wherein the flow restrictor includes a valve disposed within the applicator head, the valve being configured to restrict flow of liquid from the liquid reservoir in the absence of pressure applied to the flexible side walls of the reservoir.

11. The device of claim 1, wherein the applicator head includes one of an indentation or a protrusion formed around at least a portion of an outer perimeter of the applicator head, and further comprising a cap, having one of an indentation or a protrusion formed around at least a portion of an inner perimeter of the cap, the cap being configured to be engaged over the bristles
5 and secured about the applicator head to form a seal about the bristles to limit drying of liquid on the bristles.

12. The device of claim 11, wherein each of the one of the indentation or protrusion of the applicator head and the cap is formed around an entire perimeter of the applicator head and
10 cap, respectively, to form a substantially air-tight seal between the cap and the applicator head to limit drying of the liquid on the bristles.

13. A liquid applicator device for applying a liquid to a target surface, comprising:
an applicator head;
15 a reservoir, having flexible side walls and being configured to contain the liquid to be applied to the target surface, the reservoir being removably engaged within the applicator head;
a liquid delivery conduit, disposed at least partially within the applicator head and being in fluid communication with the reservoir;
a flow restrictor, operatively disposed within the liquid delivery conduit, the flow
20 restrictor being configured to at least partially restrict flow of the liquid through the delivery conduit; and
a plurality of application bristles, coupled to and extending away from the applicator head;

the liquid applicator device being configured to deliver liquid through the liquid delivery conduit in response to pressure applied to the flexible side walls of the reservoir and to deliver the liquid to the application bristles to allow a user to apply the liquid to the target surface.

5 14. The device of claim 13, further including a liquid selected from the group consisting of: paint; stain; and varnish.

15. The device of claim 13, further comprising a terminal delivery tube, extending from the liquid delivery conduit and terminating among the plurality of application bristles.

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16. The device of claim 15, wherein the terminal delivery tube is formed of a flexible material.

17. The device of claim 16, wherein the terminal delivery tube is substantially centered
15 within a cross section of the plurality of application bristles.

18. The device of claim 13, wherein the flow restrictor includes a serpentine channel formed within the applicator head, the serpentine channel being configured to at least partially restrict flow of liquid from the reservoir in the absence of pressure applied to the flexible side
20 walls of the reservoir.

19. The device of claim 18, wherein the serpentine channel includes a first, downwardly angled section, a second, gooseneck section, and a third, downwardly extending section.

20. The device of claim 13, wherein the flow restrictor includes a valve disposed within the applicator head, the valve being configured to at least partially restrict flow of liquid from the reservoir in the absence of pressure applied to the flexible side walls of the reservoir.

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21. The device of claim 13, wherein the applicator head includes one of an indentation or a protrusion formed around at least a portion of an outer perimeter of the applicator head, and further comprising a cap having one of an indentation or a protrusion formed around at least a portion of an inner perimeter of the cap, the cap being configured to be engaged over the bristles
10 and secured about the applicator head to form a seal about the bristles to limit drying of liquid on the bristles.

22. The device of claim 21, wherein each of the one of the indentation or protrusion of the applicator head and the cap is formed around an entire perimeter of the applicator head and
15 cap, respectively, to form a substantially air-tight seal between the cap and the applicator head to limit drying of the liquid on the bristles.

23. A method of applying a liquid to a target surface, comprising the steps of:
obtaining a reservoir containing the liquid;
20 coupling the reservoir to an applicator head having:
a liquid delivery conduit associated therewith; and
a plurality of application bristles extending therefrom;

delivering the liquid from the reservoir, through the liquid delivery conduit and to the application bristles by compressing flexible sides of the reservoir; and

applying the liquid to the target surface by brushing the target surface with the application bristles.

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24. The method of claim 23, wherein the liquid comprises a liquid selected from the group consisting of: paint; stain; and varnish.

25. The method of claim 23, wherein the step of delivering the liquid from the reservoir,
10 through the liquid delivery conduit and to the application bristles includes the step of delivering the liquid to an area within a center of a cross section of the plurality of application bristles.

26. The method of claim 23, comprising the further step of securing a cap over the plurality of application bristles and onto the applicator head to form a seal about the bristles to
15 limit drying of liquid on the bristles.